



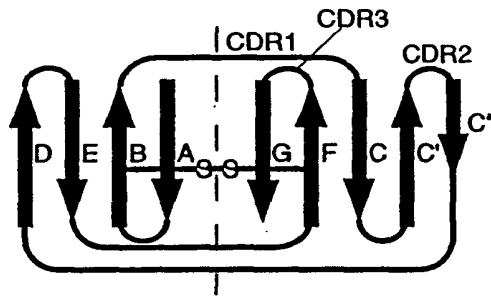
TITLE: ARTIFICIAL ANTIBODY POLYPEPTIDES

INVENTORS NAME: Shohei Koide

SERIAL NO.: 09/096,749

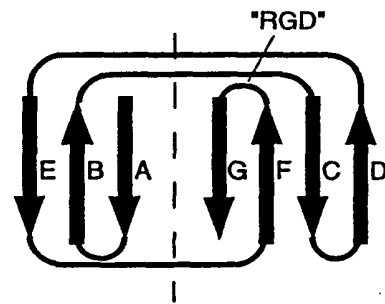
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FIG. 1A



Immunoglobulin VH

FIG. 1B



Fibronectin type III

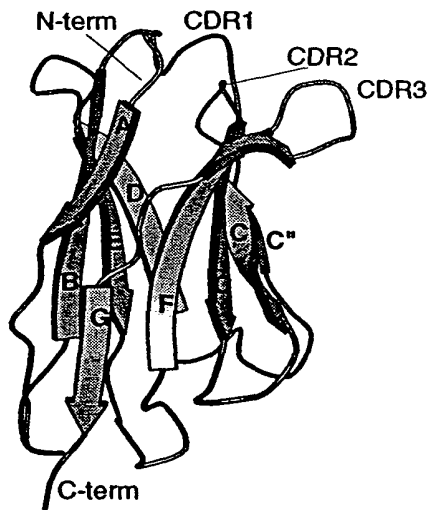


FIG. 1C

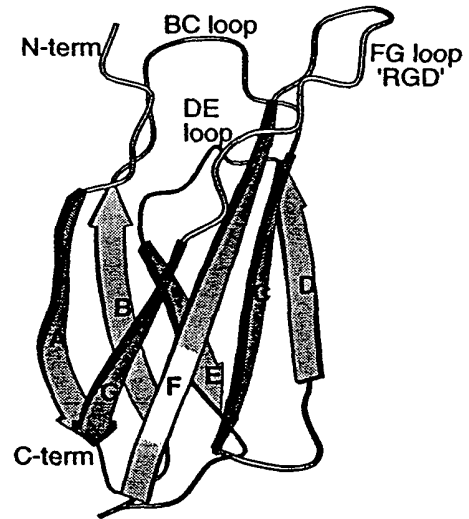


FIG. 1D

FIG. 2



TITLE: ARTIFICIAL ANTIBODY POLYPEPTIDES
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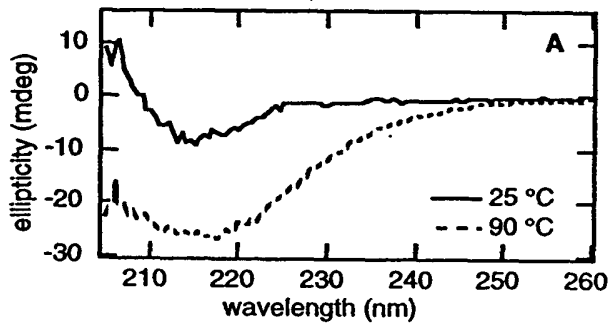


FIG. 3A

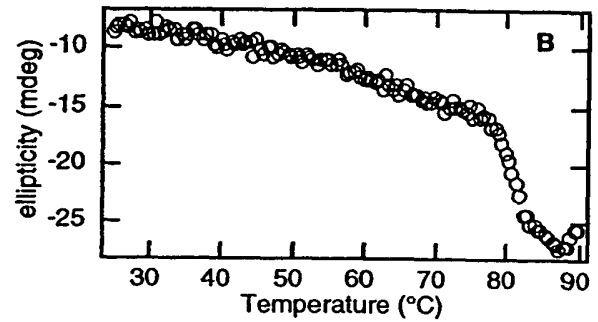


FIG. 3B



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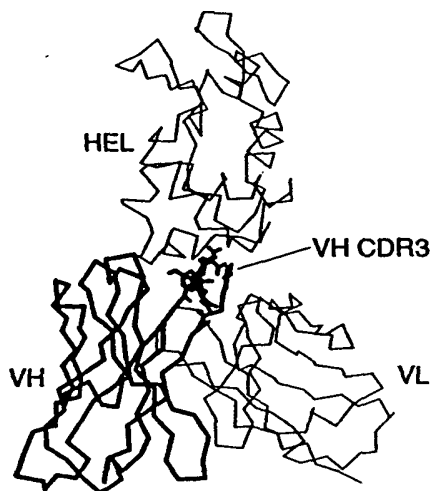


FIG. 4A

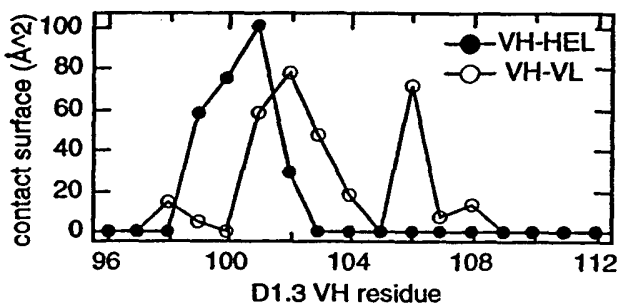


FIG. 4B

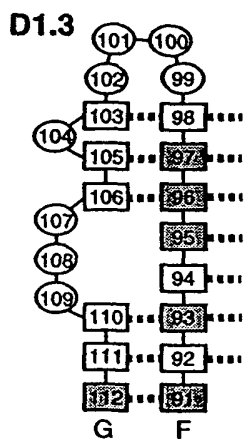


FIG. 4C

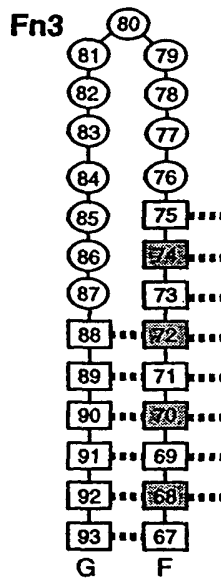


FIG. 4D



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NdeI

CATATGCAGGTTTCTGATGTTCCGCGTGACCTGGAAGTTGTTGCTGCGACCCCGACTAGC

MetGlnValSerAspValProArgAspLeuGluValValAlaAlaThrProThrSer

-2 -1 1

10

A

BclI PvuII

PstI

BC loop

BsiWI

CTGCTGATCAGCTGGGATGCTCCTGCAGTTACCGTGCGTTATTACCGTATCACGTACGGT

LeuLeuIleSerTrpAspAlaProAlaValThrValArgTyrTyrArgIleThrTyrGly

20

B

30

C

EcoRI

GAAACCGGTGGTAACTCCCCGGTTCAGGAATTCACCTGTACCTGGTTCCAAGTCTACTGCT

GluThrGlyGlyAsnSerProValGlnGluPheThrValProGlySerLysSerThrAla

40

D

50

E

SalI

Bst1107I

ACCATCAGCGGCCTGAAACCGGGTGTGCGACTATACCATCACTGTATACGCTGTTACTGGC

ThrIleSerGlyLeuLysProGlyValAspTyrThrIleThrValTyrAlaValThrGly

60

70

F

FG loop

SacI

XhoI

CGTGGTGACAGCCCAGCGAGCTCCAAGCCAATCTCGATTAACTACCGTACCTAGTAACTC

ArgGlyAspSerProAlaSerSerLysProIleSerIleAsnTyrArgThr

80

90

G

FIG. 5



TITLE: ARTIFICIAL ANTIBODY POLYPEPTIDES
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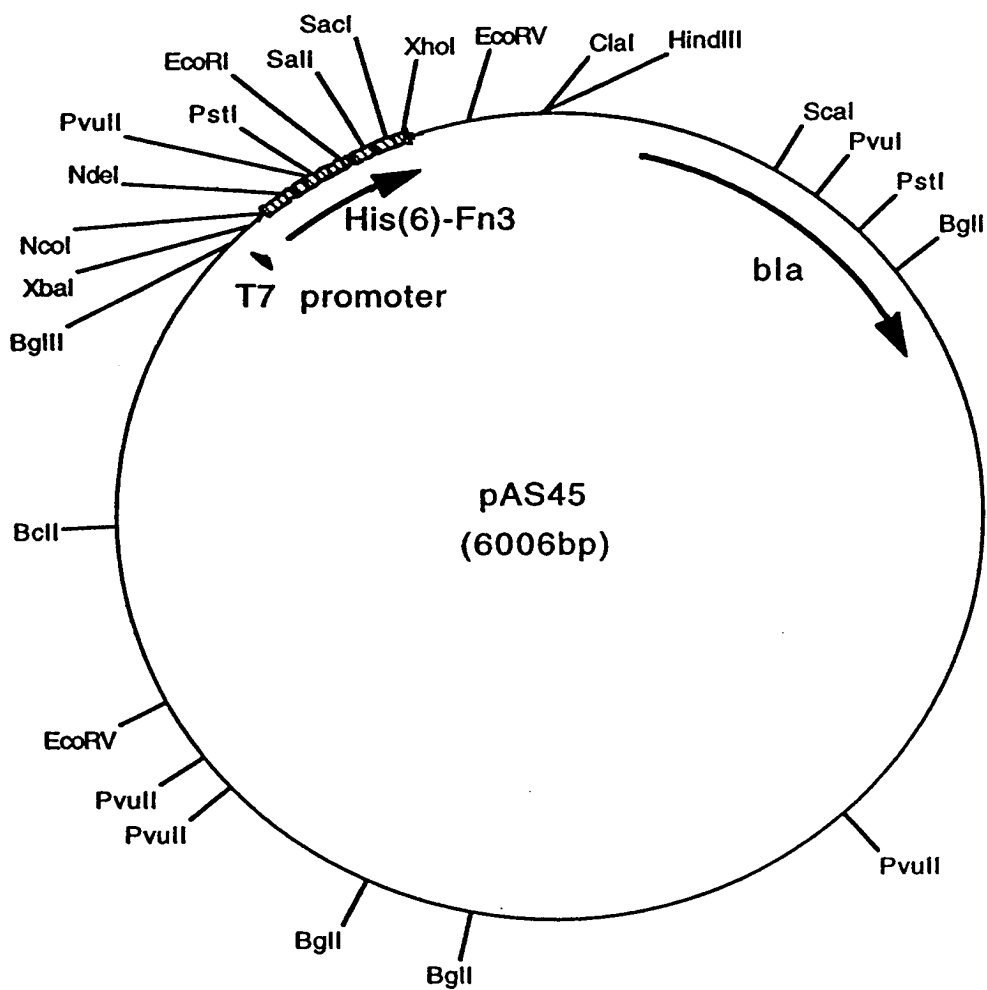


FIG. 6



TITLE: ARTIFICIAL ANTIBODY POLYPEPTIDES
INVENTORS NAME: Shohei Koide
SERIAL NO.: 09/096,749

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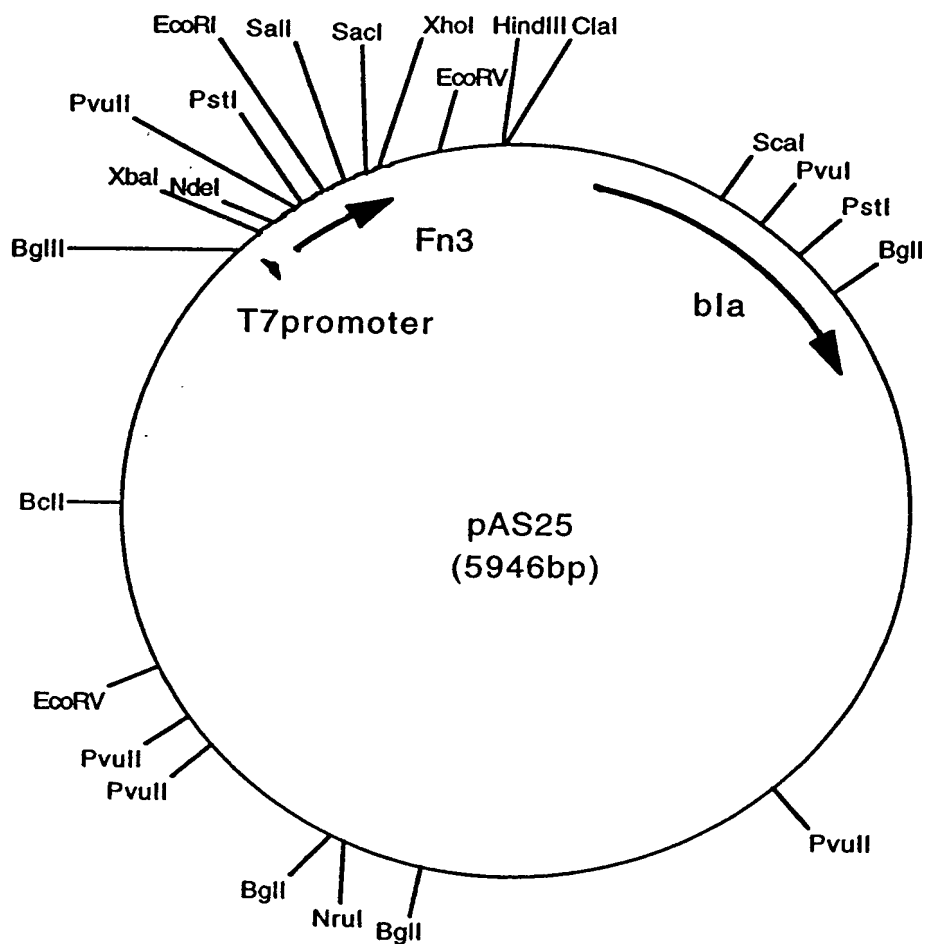


FIG. 7



TITLE: ARTIFICIAL ANTIBODY POLYPEPTIDES

INVENTORS NAME: Shohei Koide

SERIAL NO.: 09/096,749

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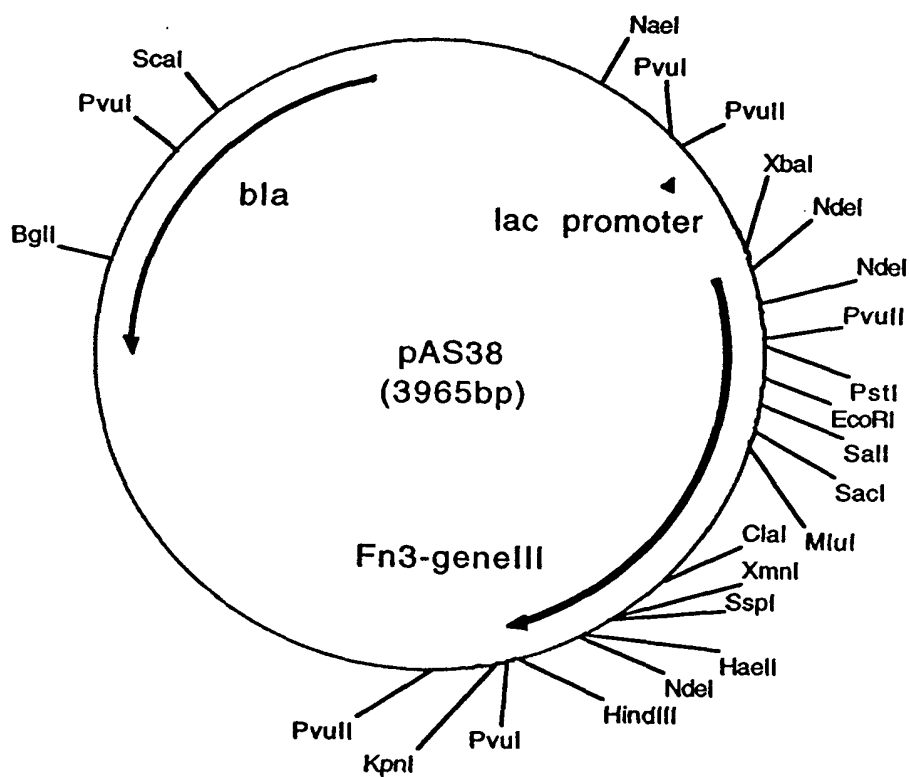


FIG. 8



TITLE: ARTIFICIAL ANTIBODY POLYPEPTIDES
INVENTORS NAME: Shohei Koide
SERIAL NO.: 09/096,749

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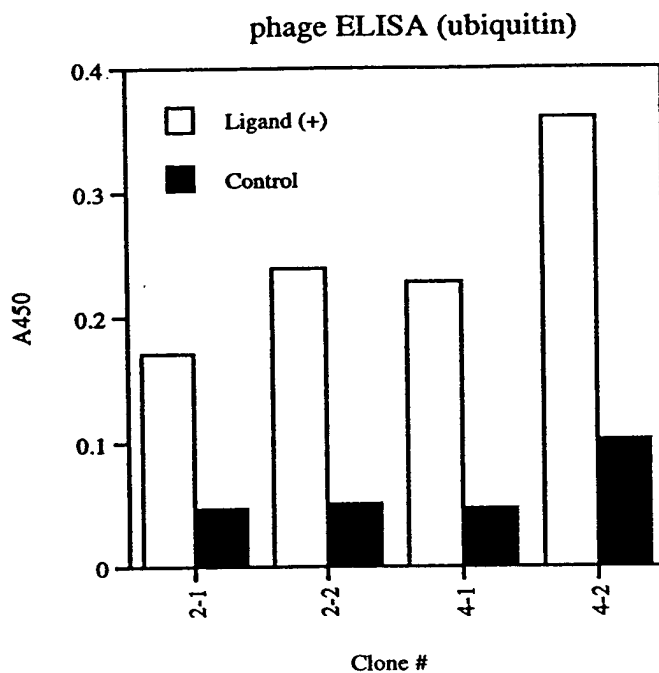


FIG. 9

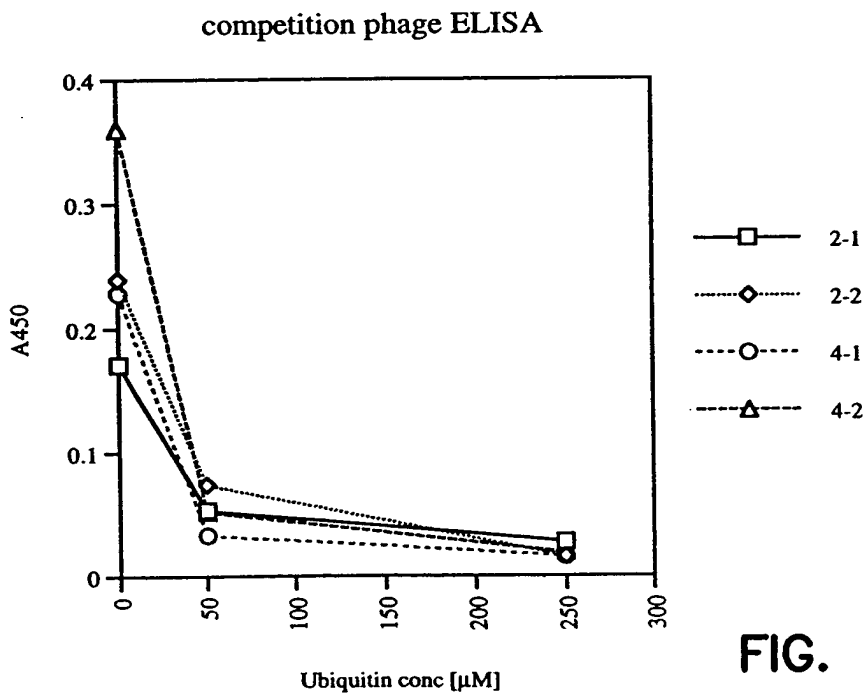


FIG. 10



TITLE: ARTIFICIAL ANTIBODY POLYPEPTIDES
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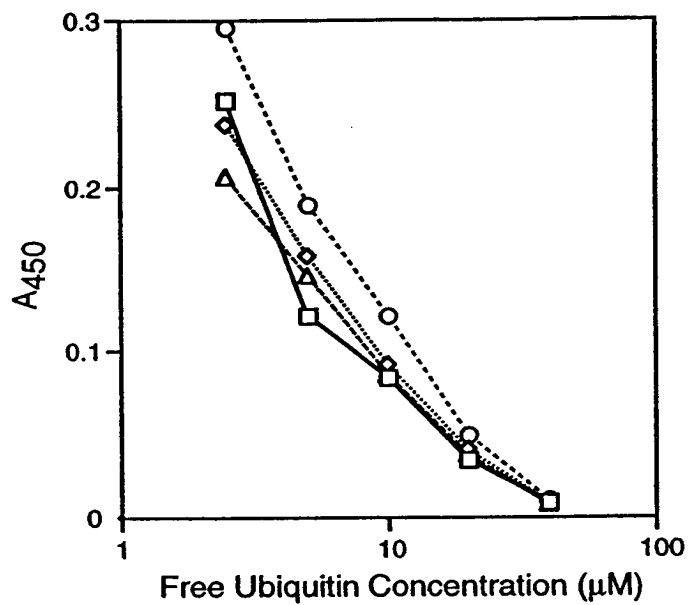


FIG. 11



TITLE: ARTIFICIAL ANTIBODY POLYPEPTIDES
INVENTORS NAME: Shohei Koide
SERIAL NO.: 09/096,749

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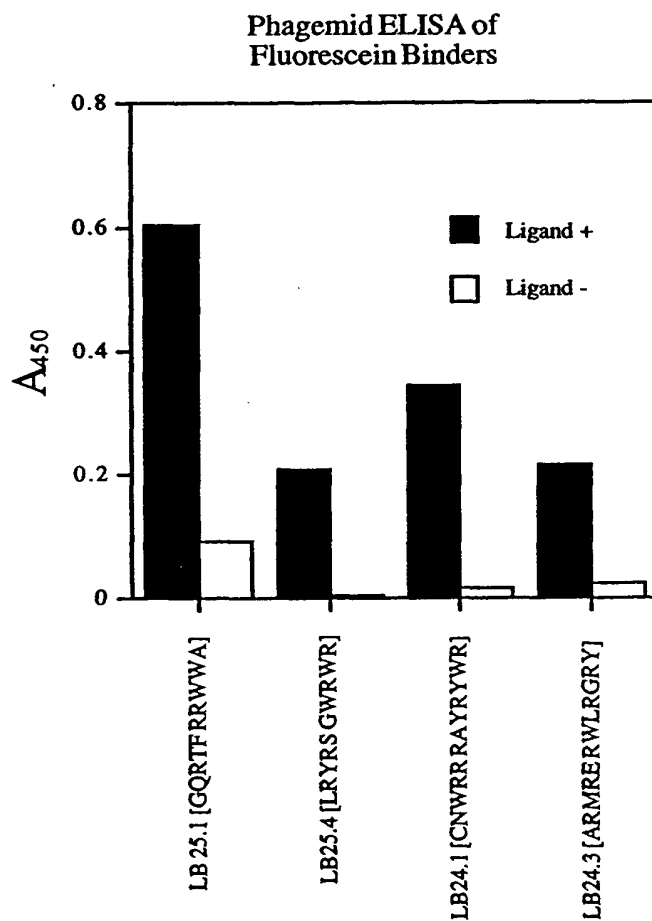


FIG. 12



TITLE: ARTIFICIAL ANTIBODY POLYPEPTIDES
INVENTORS NAME: Shohei Koide
SERIAL NO.: 09/096,749

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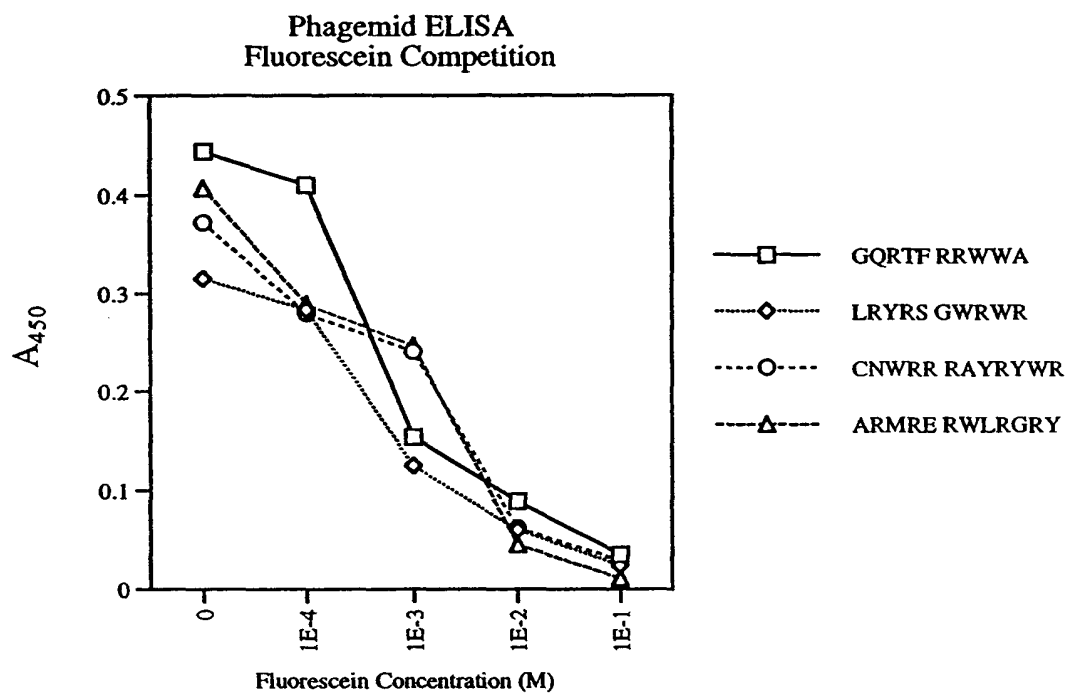


FIG. 13



TITLE: ARTIFICIAL ANTIBODY POLYPEPTIDES
INVENTORS NAME: Shohei Koide
SERIAL NO.: 09/096,749

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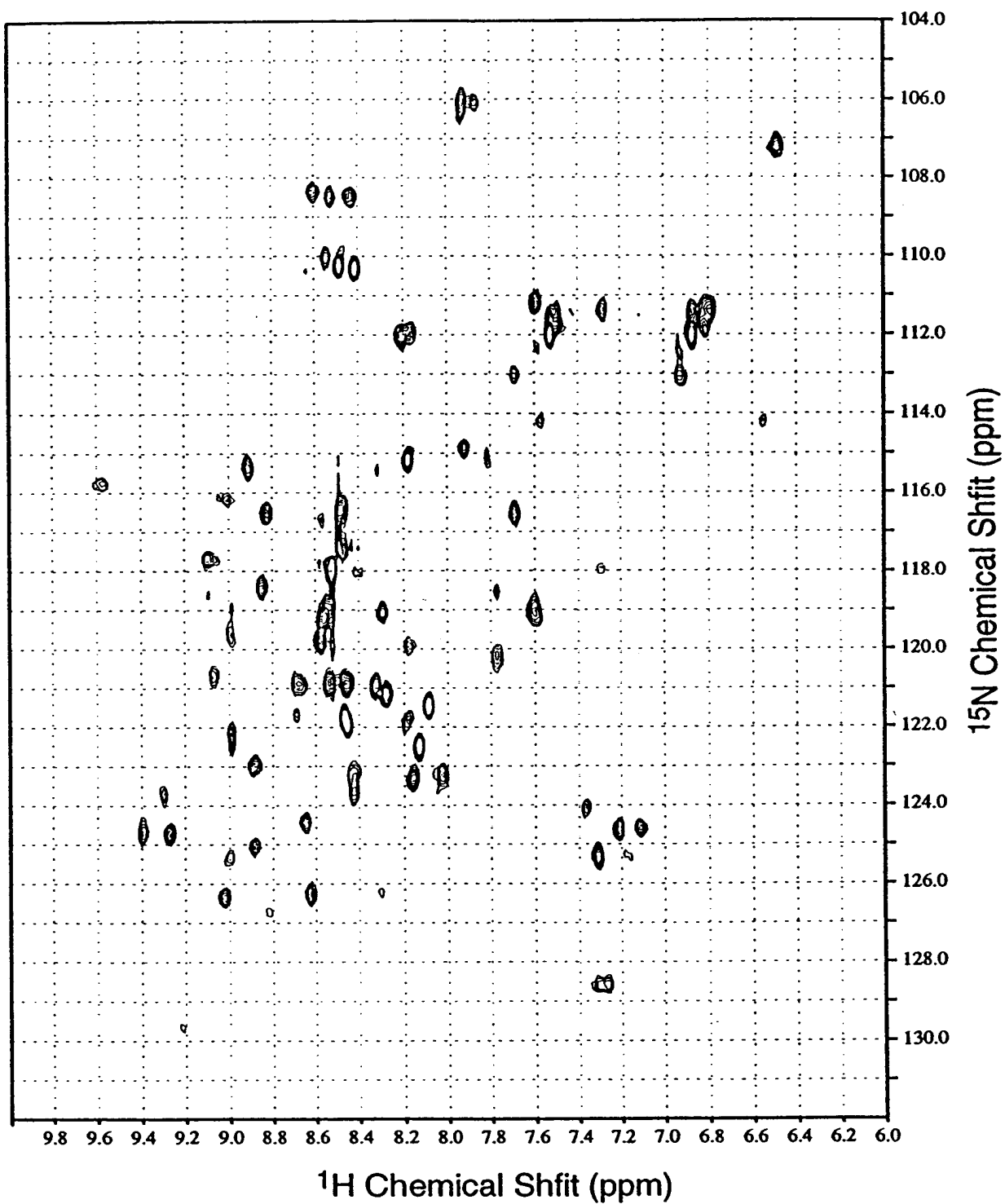


FIG. 14

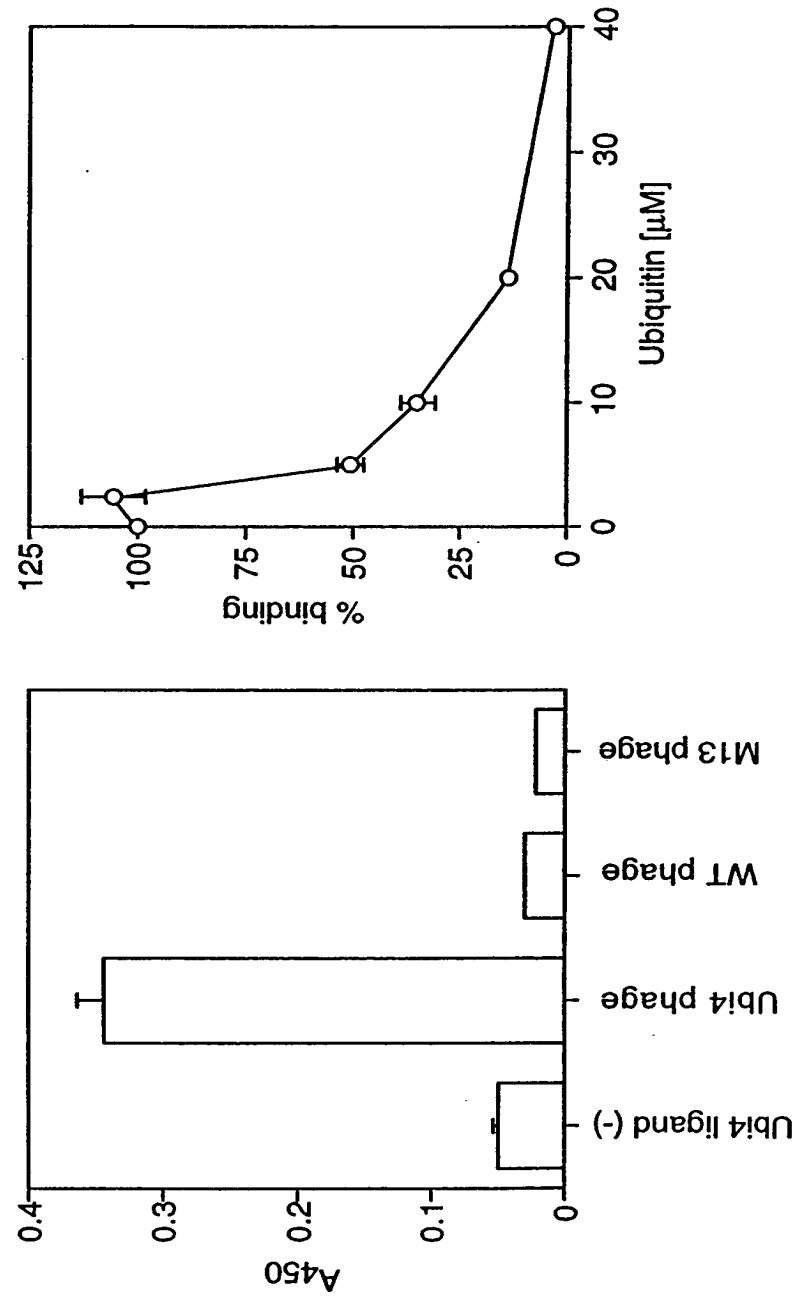
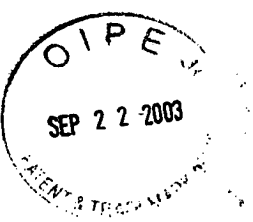


FIG. 15B

FIG. 15A



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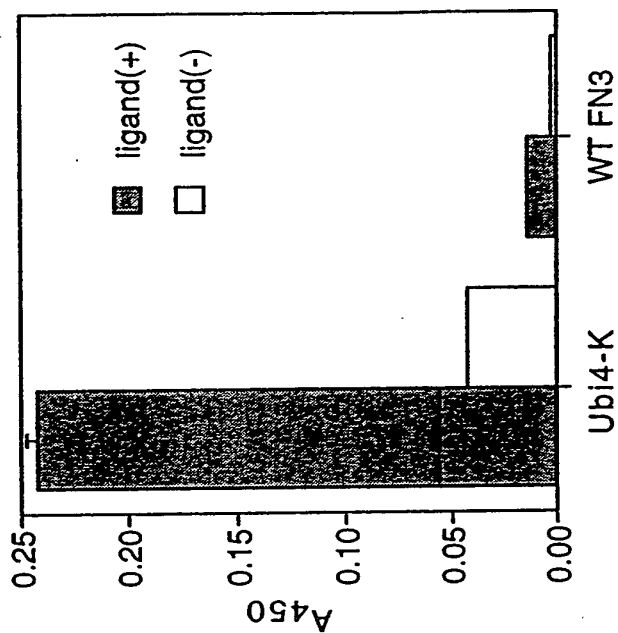


FIG. 15D

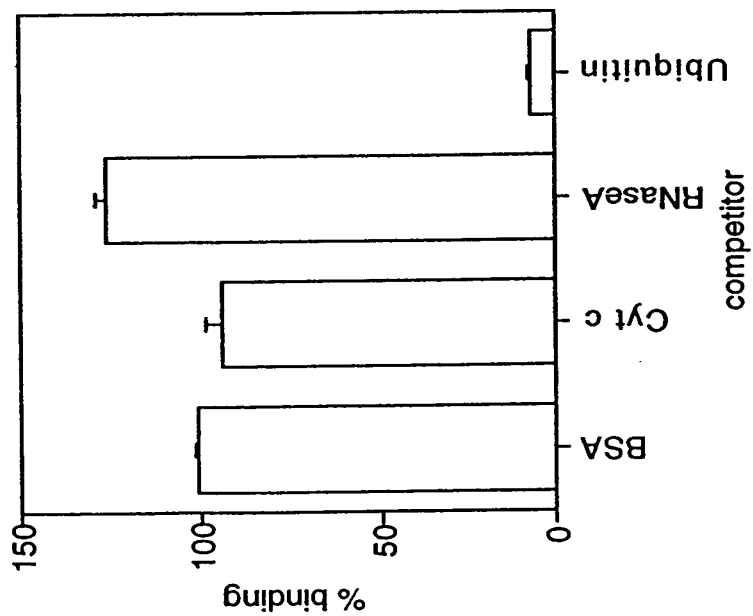


FIG. 15C

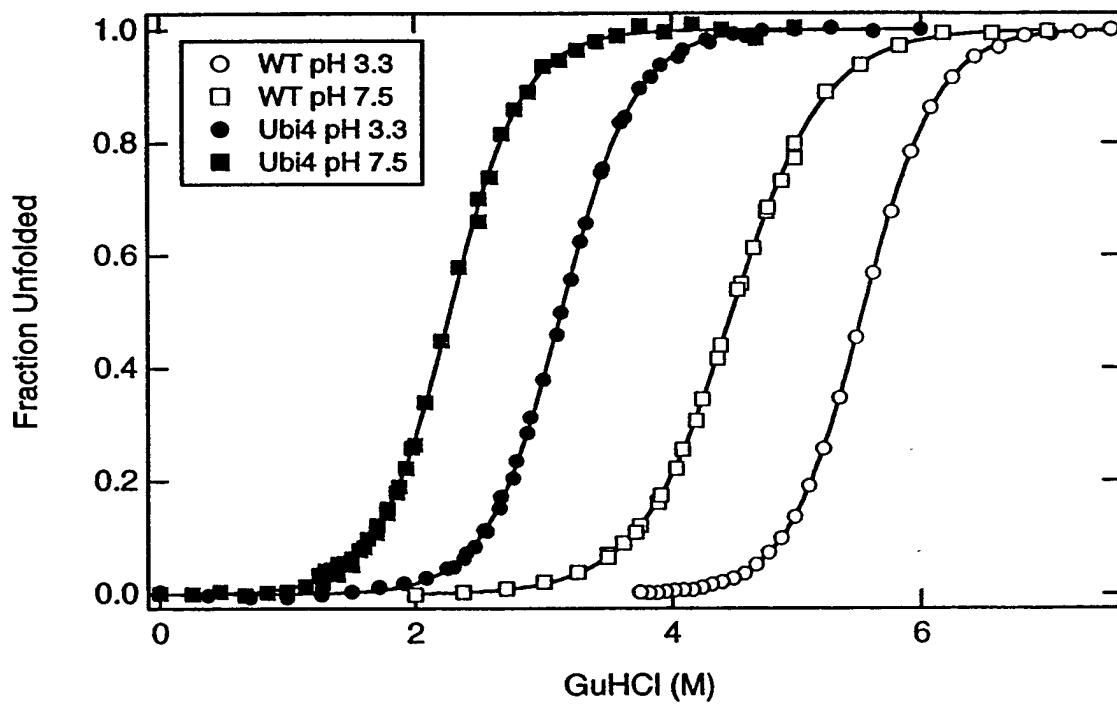


FIG. 16



TITLE: ARTIFICIAL ANTIBODY POLYPEPTIDES
INVENTORS NAME: Shohei Koide
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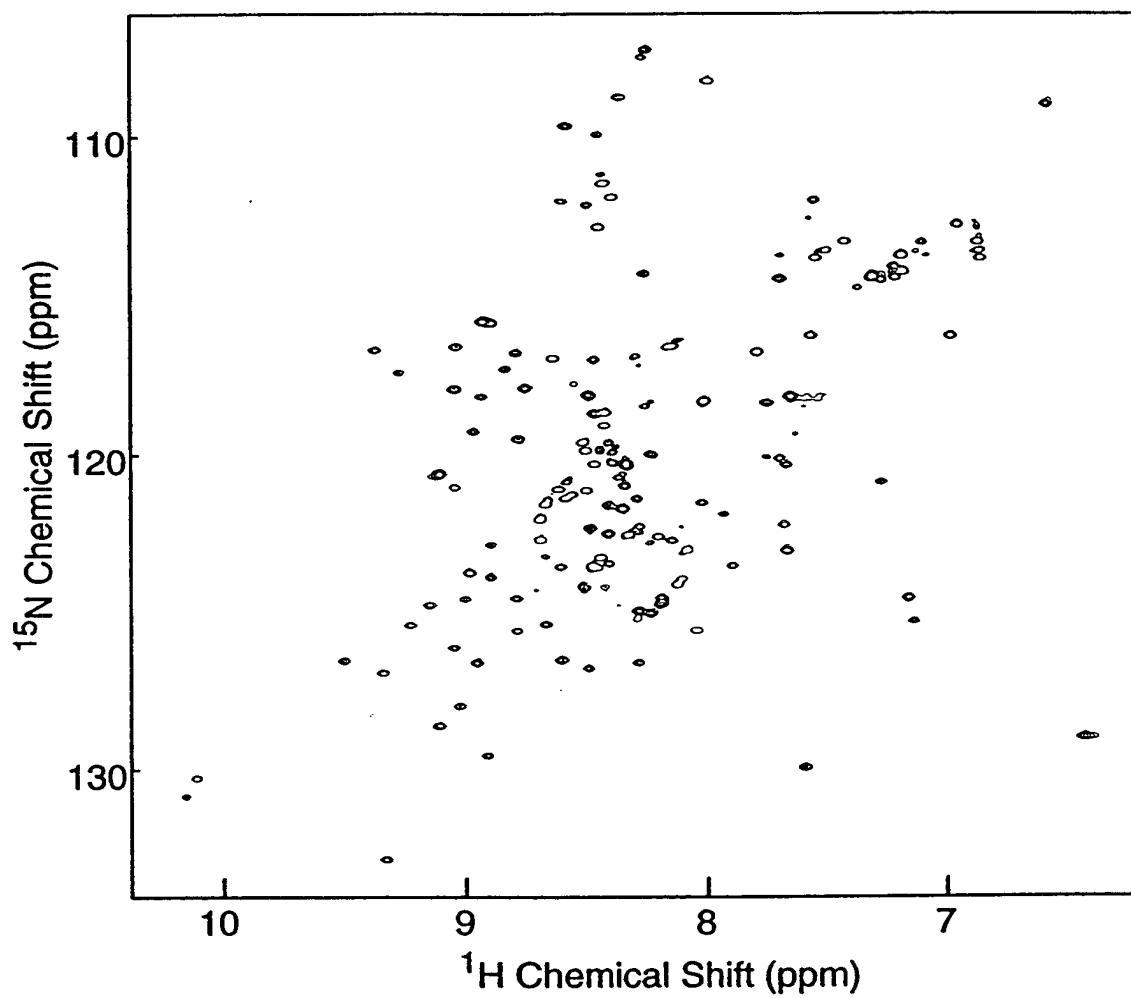


FIG. 17A



TITLE: ARTIFICIAL ANTIBODY POLYPEPTIDES
INVENTORS NAME: Shohei Koide
SERIAL NO.: 09/096,749

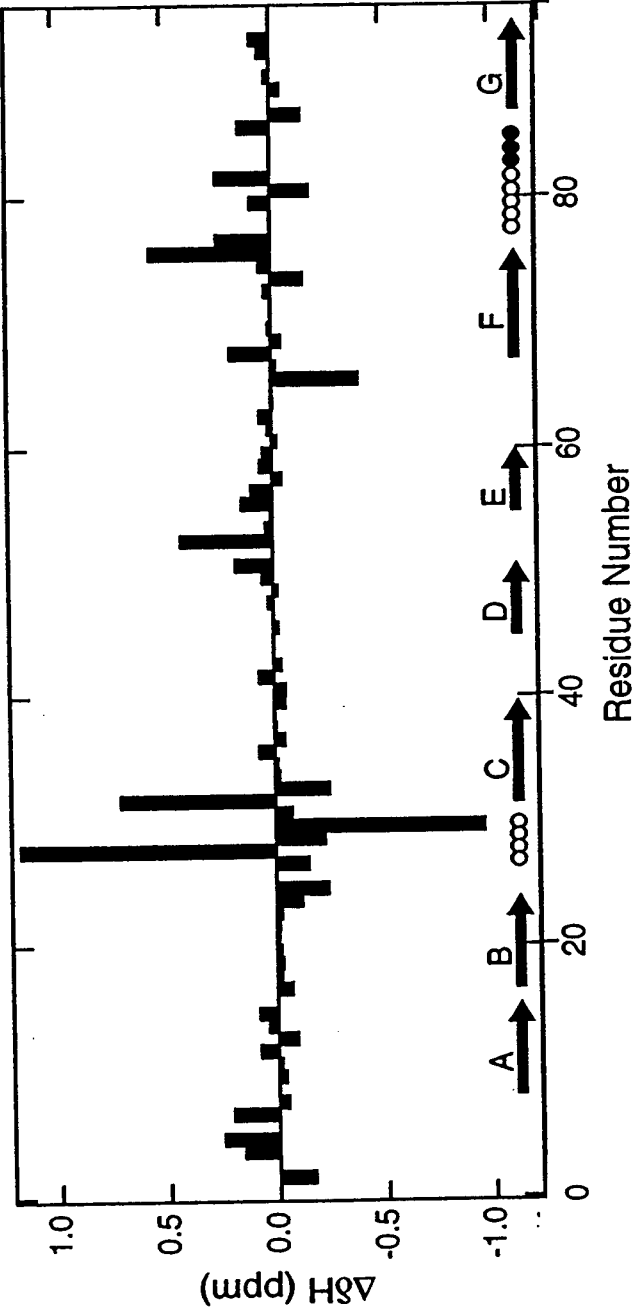


FIG. 17B



TITLE: ARTIFICIAL ANTIBODY POLYPEPTIDES
INVENTORS NAME: Shohei Koide
SERIAL NO.: 09/096,749

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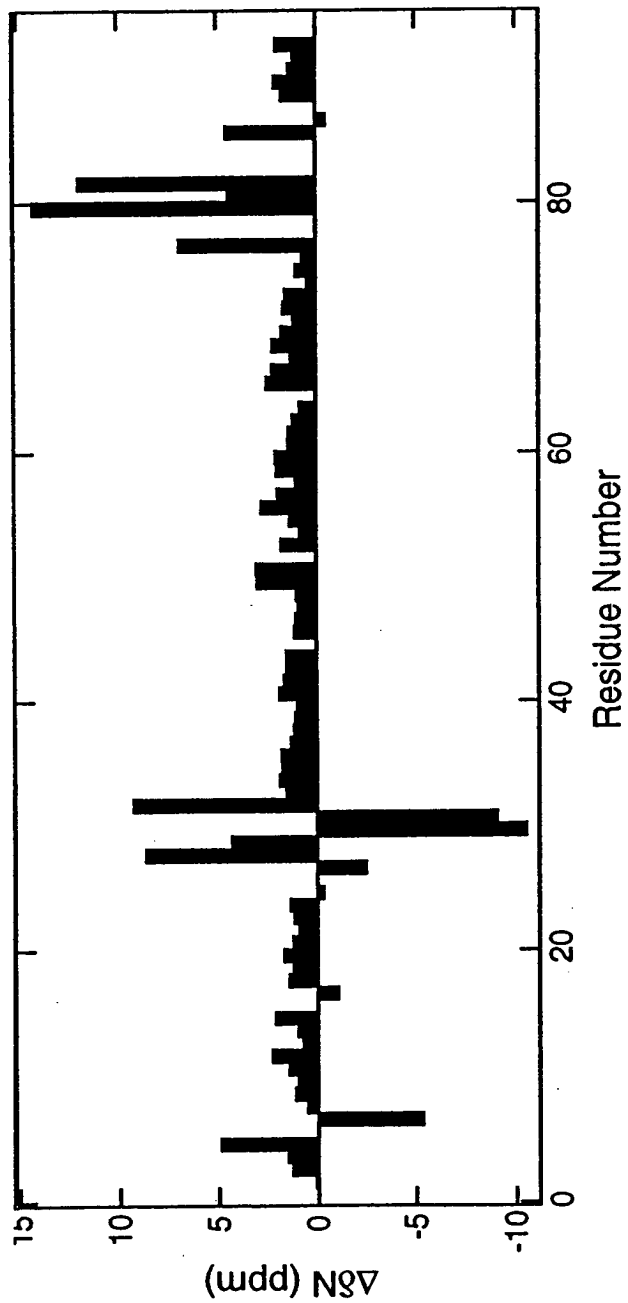


FIG. 17C